

Case No. 62605



IPW

DIRECTOR, U.S. PATENT AND TRADEMARK OFFICE
WASHINGTON, DC 20231

In re Application of: **MEARS ET AL.**

Serial No.: **10/603,696**

Filed: **June 26, 2003**

For: **SEMICONDUCTOR STRUCTURES HAVING IMPROVED CONDUCTIVITY
EFFECTIVE MASS AND METHODS FOR FABRICATING SAME**

Sir:

Transmitted herewith is an INFORMATION DISCLOSURE STATEMENT in the above-identified application.

1. This IDS is submitted under 37 C.F.R. § 1.97. No fee is required.
2. This IDS is submitted under 37 C.F.R. § 1.97(c). Enclosed is a check in the amount of \$180.00.
3. This IDS is submitted under 37 C.F.R. § 1.97(c) and (e). No fee is required.
4. This IDS is submitted under 37 C.F.R. § 1.97(d) and (e). Enclosed is a check in the amount of \$130.00 to cover the petition fee.
5. The Commissioner is hereby authorized to charge or credit any discrepancies in fee amounts to Deposit Account No. 01-0484.
6. Please associate this application with Customer No. 27975.



PATENT TRADEMARK OFFICE

Date: May 14, 2004

A handwritten signature in black ink, appearing to read "Christopher F. Regan", is written over a solid horizontal line. Below the signature, the name "CHRISTOPHER F. REGAN" is printed in capital letters, followed by "Reg. No. 34,906".



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:)
MEARS ET AL.)
Serial No. **10/603,696**) Examiner: **Shouxiang HU**
Confirmation No. **2901**) Art Unit: **2811**
Filing Date: **JUNE 26, 2003**) Attorney Docket: **62605**
For: **SEMICONDUCTOR STRUCTURES HAVING**)
IMPROVED CONDUCTIVITY EFFECTIVE)
MASS AND METHODS FOR FABRICATING)
SAME)
)

CITATION UNDER 37 CFR §1.97(c)

Mail Stop AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Attached is a form PTO-1449 listing several references for consideration in the examination of the above-identified application. A copy of each reference is also enclosed. It is requested that these references be considered by the Examiner and officially made of record in accordance with the provisions of 37 CFR §1.97 and Section 609 of the MPEP.

Respectfully submitted,


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407-841-2330

In re Patent Application of:

MEARS ET AL.

Serial No. **10/603,696**

Confirmation No. **2901**

Filed: **June 26, 2003**

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: MAIL STOP AMENDMENT, COMMISSIONER OF PATENTS AND TRADEMARKS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450, on this 14th day of May, 2004.





INFORMATION DISCLOSURE STATEMENT		Atty Docket: Serial No.: Applicant: Filing Date: Group:	62605 10/603,696 MEARS ET AL. JUNE 26, 2003 2811
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U.S. PATENT DOCUMENTS

Examiner Initials		Document Number	Date	Name	Class	Sub Class	Filing Date
	AA	4,594,603	6/10/86	Holonyak, Jr.	357	16	1/24/85
	AB	4,937,204	6/26/90	Ishibashi et al.	437	110	1/4/89
	AC	4,969,031	11/06/90	Kobayashi et al.	357	63	2/3/83
	AD	5,05,887	10/08/91	Yamazaki	357	4	1/18/90
	AE	5,216,262	6/1/93	Tsu	257	17	3/2/92
	AF	5,357,119	10/18/94	Wang et al.	257	18	2/19/93
	AG	5,684,817	11/04/97	Houdre et al.	372	45	5/1/96
	AH	5,683,934	11/4/03	Candelaria	437	134	5/3/96
	AI	5,994,164	11/30/99	Fonash et al.	438	97	3/18/98
	AJ	6,058,127	5/2/00	Joannopoulos et al.	372	92	12/12/97
	AK	6,274,007	8/14/01	Smirnov et al.	204	192	3/14/00
	AL	6,281,518	8/28/01	Sato	257	13	12/3/98
	AM	6,281,532	8/28/01	Doyle et al.	257	288	6/28/99
	AN	6,344,271	2/05/02	Yadav et al.	428	402	3/23/99
	AO	6,472,685	10/29/02	Takagi	257	77	12/2/98
	AP	6,498,359	12/24/02	Schmidt et al.	257	190	5/18/01
	AQ	2003/ 0034529	2/20/03	Fitzgerald et al.	257	369	10/8/02
	AR	2003/ 0057416	3/27/03	Currie et al.	257	19	9/20/02

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation
	AS	02/103767	12/27/02	WO	H01L	21/20	
	AT	2,347,520	09/06/00	GB	G02B	5/18	

EXAMINER:**DATE CONSIDERED:**

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609;
 Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT	Atty Docket: Serial No.: Applicant: Filing Date: Group:	62605 10/603,696 MEARS ET AL. JUNE 26, 2003 2811
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OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)		
	AU	Xuan Luo et al.; "Chemical Design of Direct-Gap Light-Emitting Silicon", published July 25, 2002 by The American Physical Society; Vol. 89, Number 7
	AV	R. Tsu; University of North Carolina at Charlotte, "Phenomena in Silicon Nanostructure Devices"; published 09/06/2000 © Springer-Verlag 2000
	AW	P.D. Ye et al., "GaAs MOSFET with Oxide Gate Dielectric Grown by Atomic Layer Deposition"; © 2003 Agere Systems, March 2003
	AX	Novikov et al.; "Silicon-based Optoelectronics" © 1999-2003 by John Wiley & Sons, Inc.; pp/ 1-6
	AY	
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